```java
import java.util.Scanner;
public class MyClass {
    public static void main (String args []) {
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        int S=0,i=1,P=1;
        for( i=1;i<=n; i++) {
            S=S+(2*i-1);
        P=P*(2*i-1);
        }
        System.out.println(S);
        System.out.println(P);

        int s=0, a=1, p=1;
        for( a=1;a<=n; a++) {
            s=s+(2*a);
        p=p*(2*a);
        }
        System.out.println(s);
        System.out.println(p);

        int s1=0, b=1, p1=1;
        for( b=1;b<=n; b++) {
            s1=s1+(3*b);
        p1=p1*(3*b);
        }
        System.out.println(s1);
        System.out.println(p1);

        int s2=0, c=1, p2=1;
        for( c=1;c<=n; c++) {
            s2=s2+(4*c);
        p2=2*(4*c);
        }
        System.out.println(s2);
        System.out.println(p2);

        double e=1, s3=0;
        for(e=1;e<=n;e++) {
            if (e%2==0) {
                s3=s3-1d/e;
            }else {
                s3=s3+1d/e;
            }
        }
        System.out.println(s3);
    double f=1, sum=0;
        while(f<=n) {
            sum=sum+f/(f+1);
            f++;
        }
        System.out.println(sum);
sc.close();
}
    }
```